PROJECT FALCO HORNE 5

Project Presentation
Long Point First Nation

FALCO RESOURCES

BAPE public hearings
October 3rd 2024

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- A Cross-Cutting Objective: Creating Shared Value
- Engagement with the Winneway Community
- Timeline : 5 Years Until Commercial Production

A DEDICATED TEAM

JULIE BRASSARD, ENG.
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PROJECT COORDINATOR

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GENERAL SUPPORT AND ENVIRONMENT

MARILYN GAGNON, B.SC. BIO
SENIOR ENVIRONMENTAL TECHNICIAN

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PRESIDENT, CHIEF EXECUTIVE OFFICER AND DIRECTOR

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VICE-PRESIDENT, ENVIRONMENT, SUSTAINABLE DEVELOPMENT AND COMMUNITY RELATIONS

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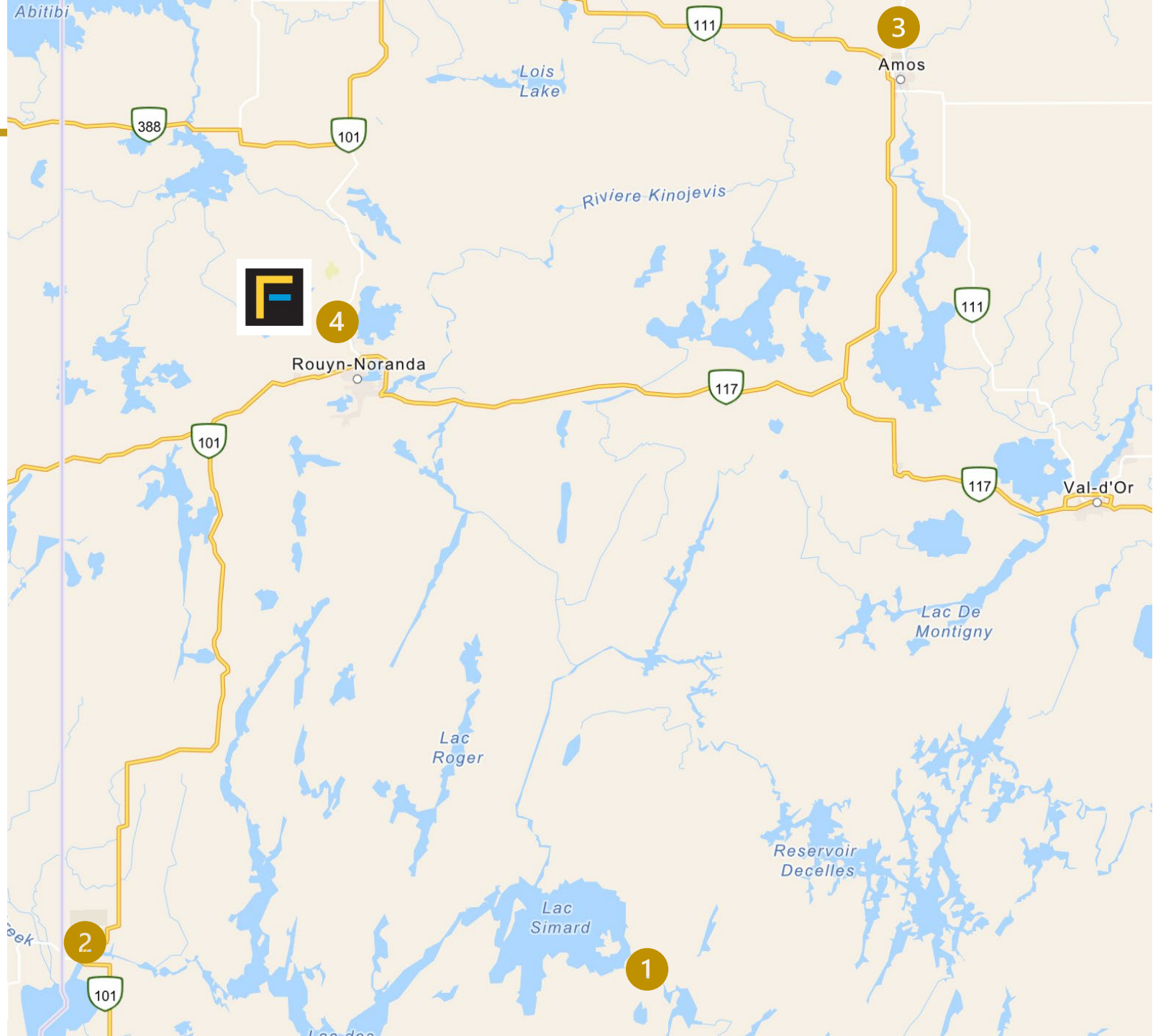
CHIEF FINANCIAL OFFICER

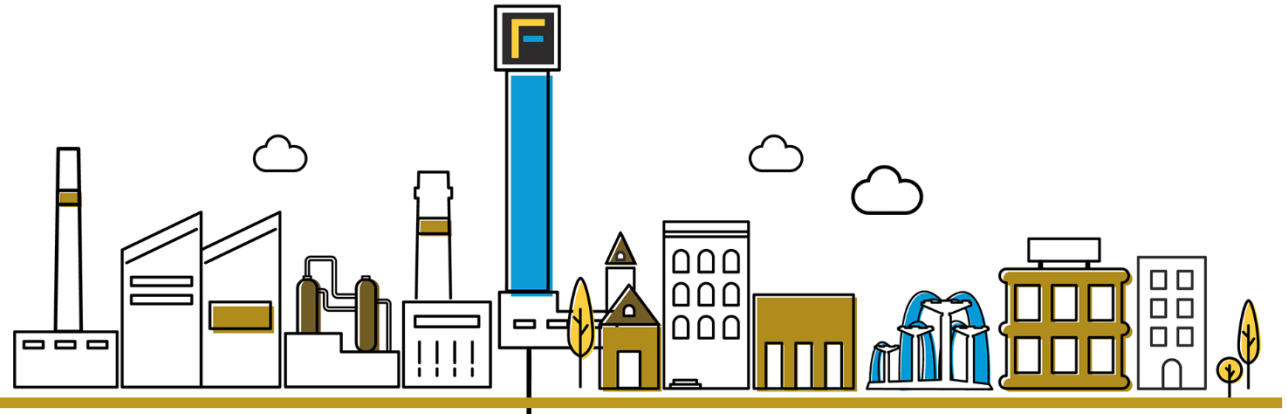
MIREILLE TREMBLAY, LLB
VICE-PRESIDENT, LEGAL AFFAIRS AND CORPORATE SECRETARY

LOCATION

1. Long Point First Nation
2. Timiskaming First Nation
3. Première Nation Abitibiwinni
4. Falco Horne 5



FALCO HORNE 5 AN OVERVIEW



Average annual gold production (in ounces equivalent): **220K**

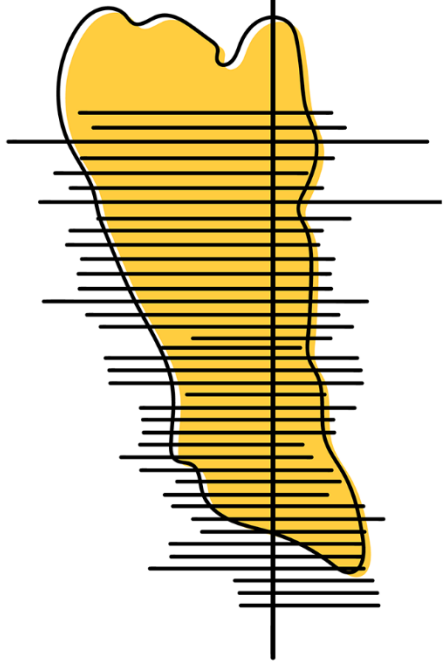
Life Of Mine: **15 years**

Investment: **+ $1B**

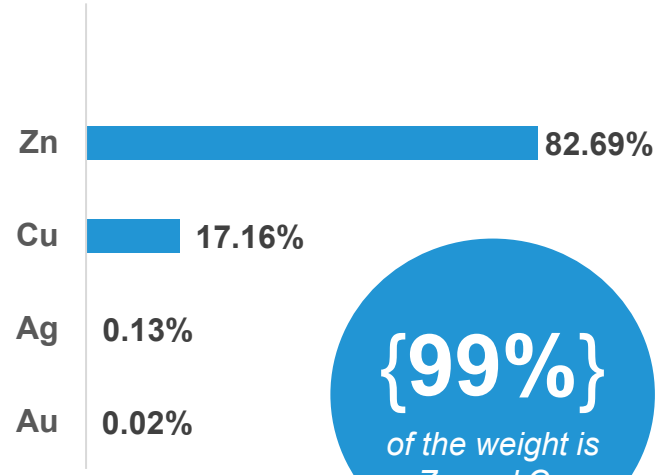
Jobs: **900** during construction and **500** during production

Over the 15-year life of the mine, Falco Horne 5 will produce:

Au	Ag	Cu	Zn
3.3 M oz	27.3 M oz	247 M LB	1.19 Billions LB



Weight percentage of each metal

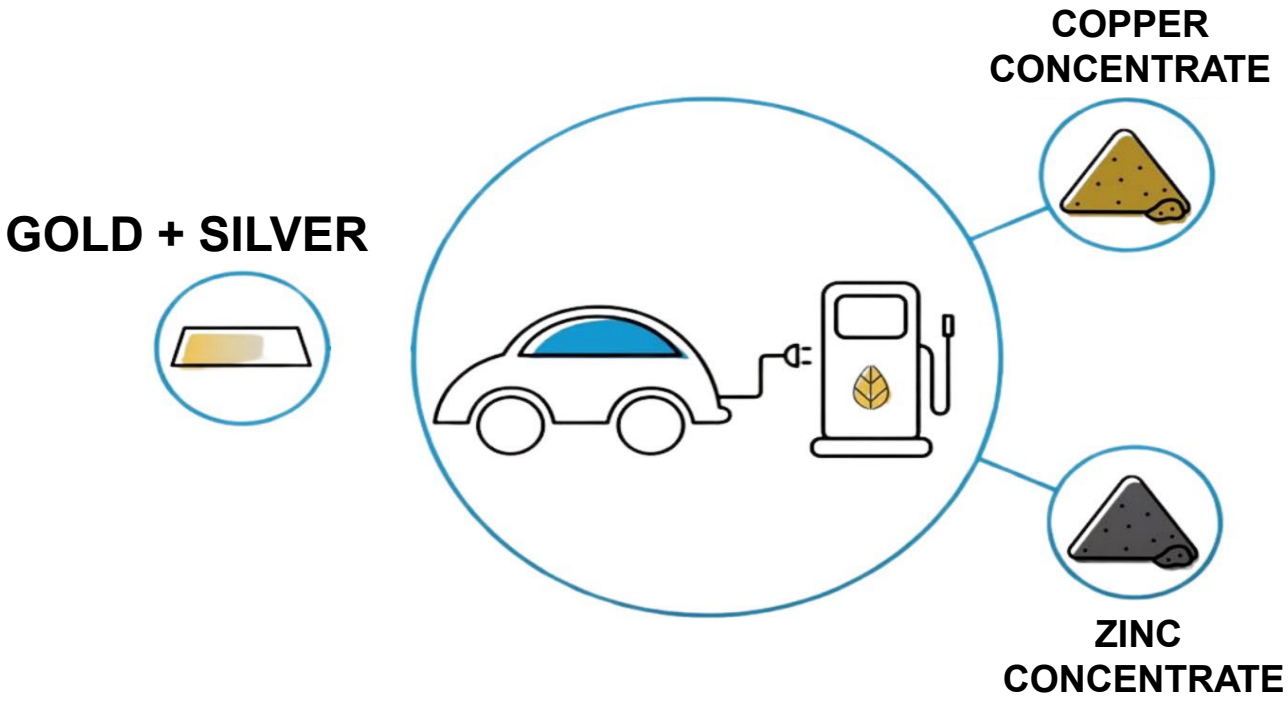


{99%}
of the weight is Zn and Cu

FALCO RESOURCES

WHY THIS PROJECT MATTERS

- Maximize the value of the territory's resources including existing infrastructure and human resources
- Energizing and diversifying the economy
- Reclaim previously disturbed sites



FALCO RESOURCES

OUR VISION

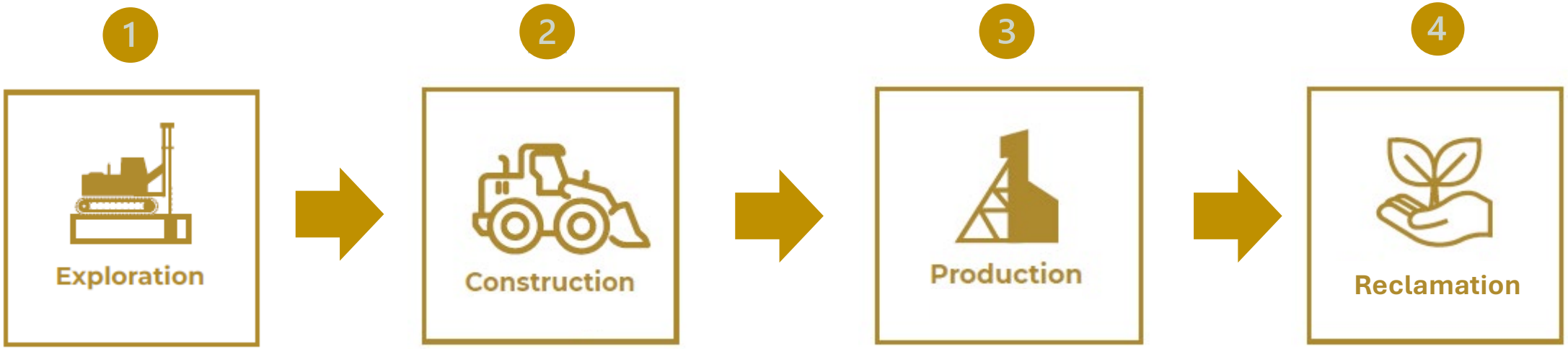
Developing a mine in harmony with its environment and the collectivity

- An urban mine
- A member of the collectivity
- A present and trusted neighbor

FALCO RESOURCES

PROJECT DEVELOPMENT PHASES

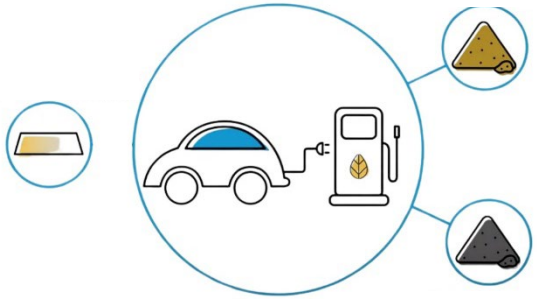
1. Exploration
2. Construction
3. Production
4. Reclamation



HORNE 5 PRODUCTION

Production

GOLD + SILVER

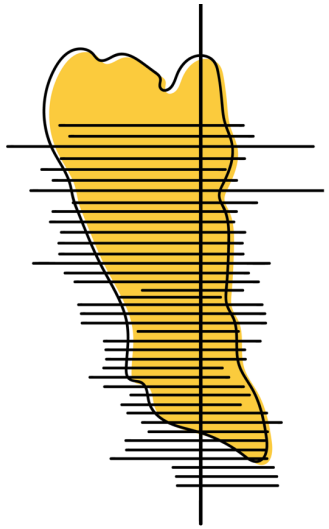


COPPER CONCENTRATE

ZINC CONCENTRATE

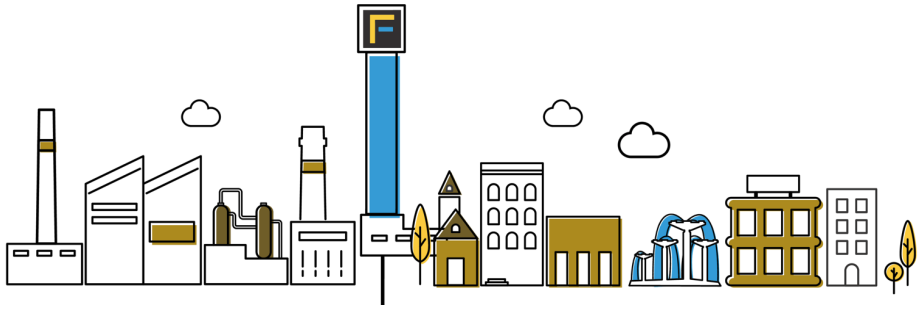
1 Extraction

UNDERGROUND MINE



2 Processing

MINING COMPLEX (plant)

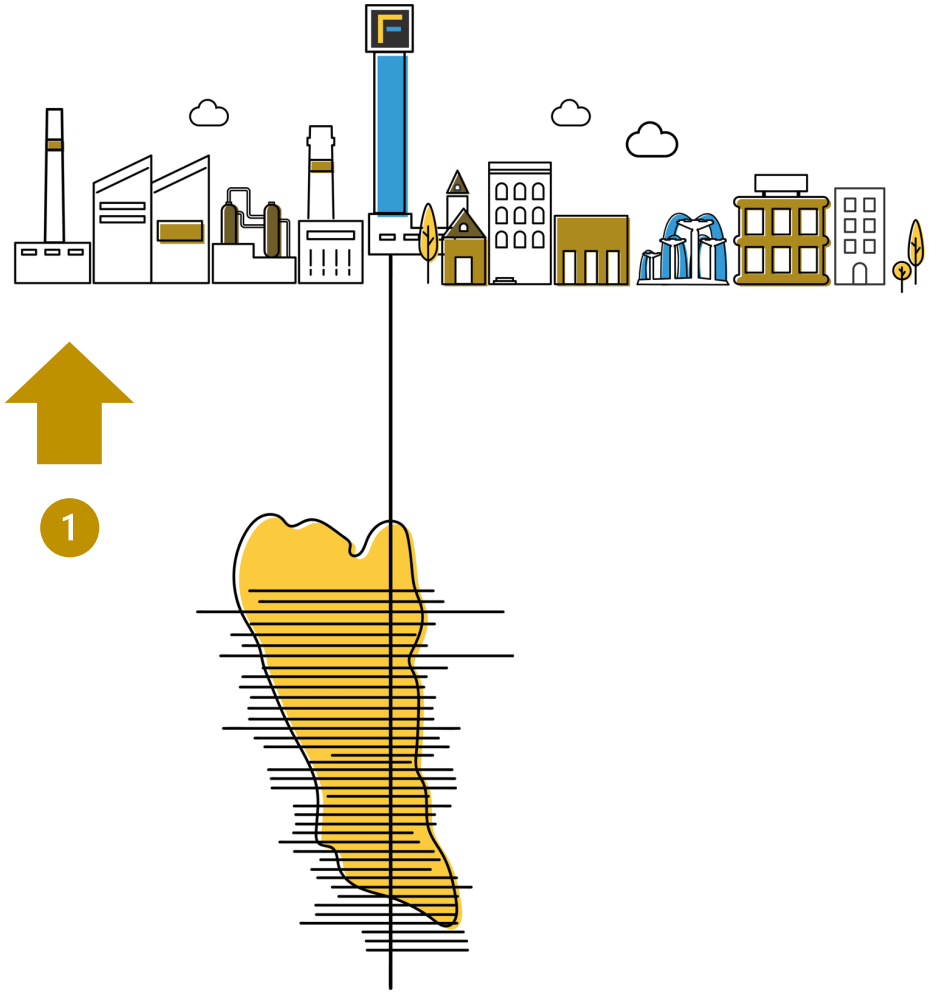


3 Waste & Water Management

TAILINGS & WATER PIPES
TAILINGS MANAGEMENT FACILITY

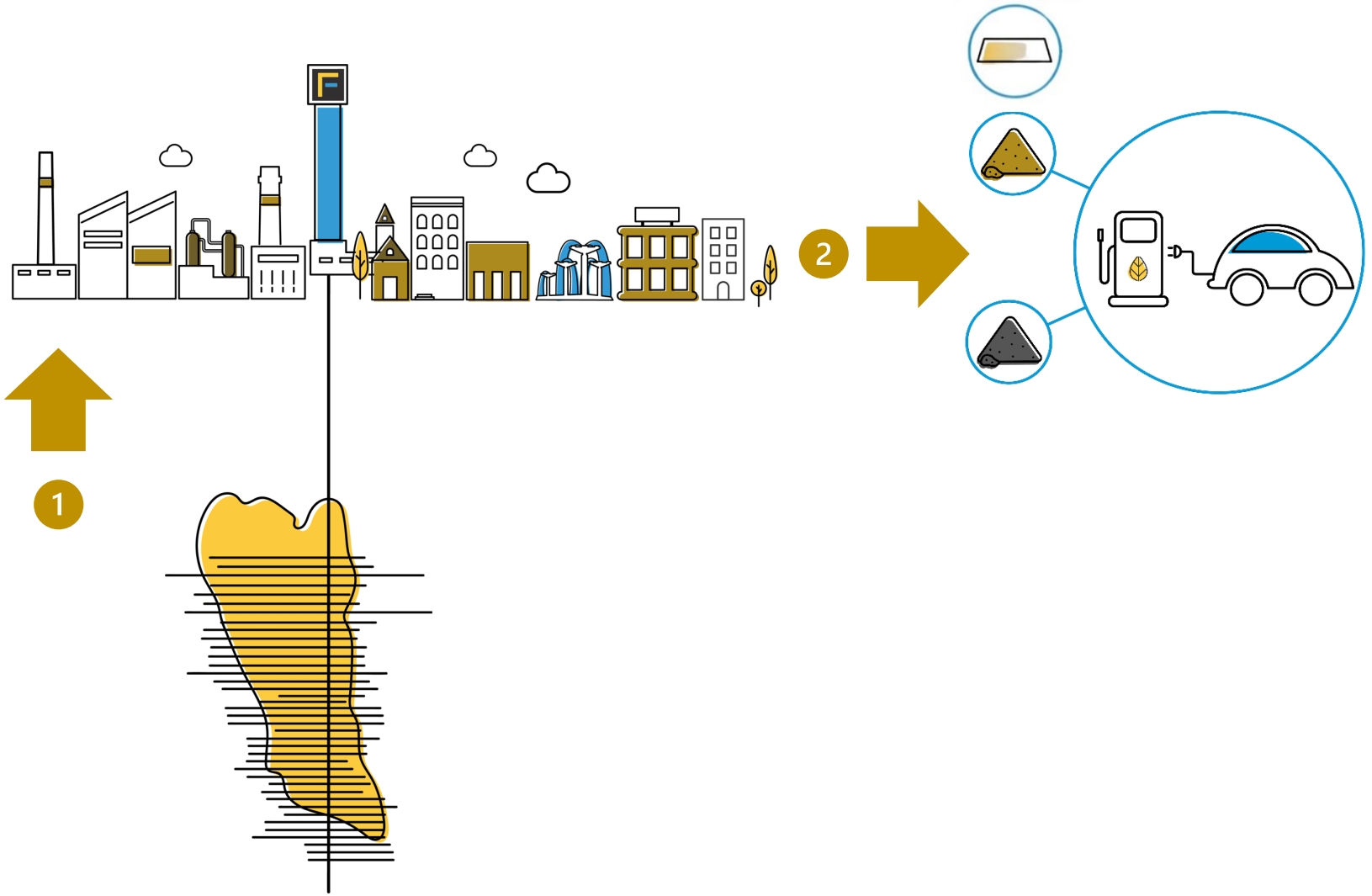
PRODUCTION ACTIVITIES

1. Extraction



PRODUCTION ACTIVITIES

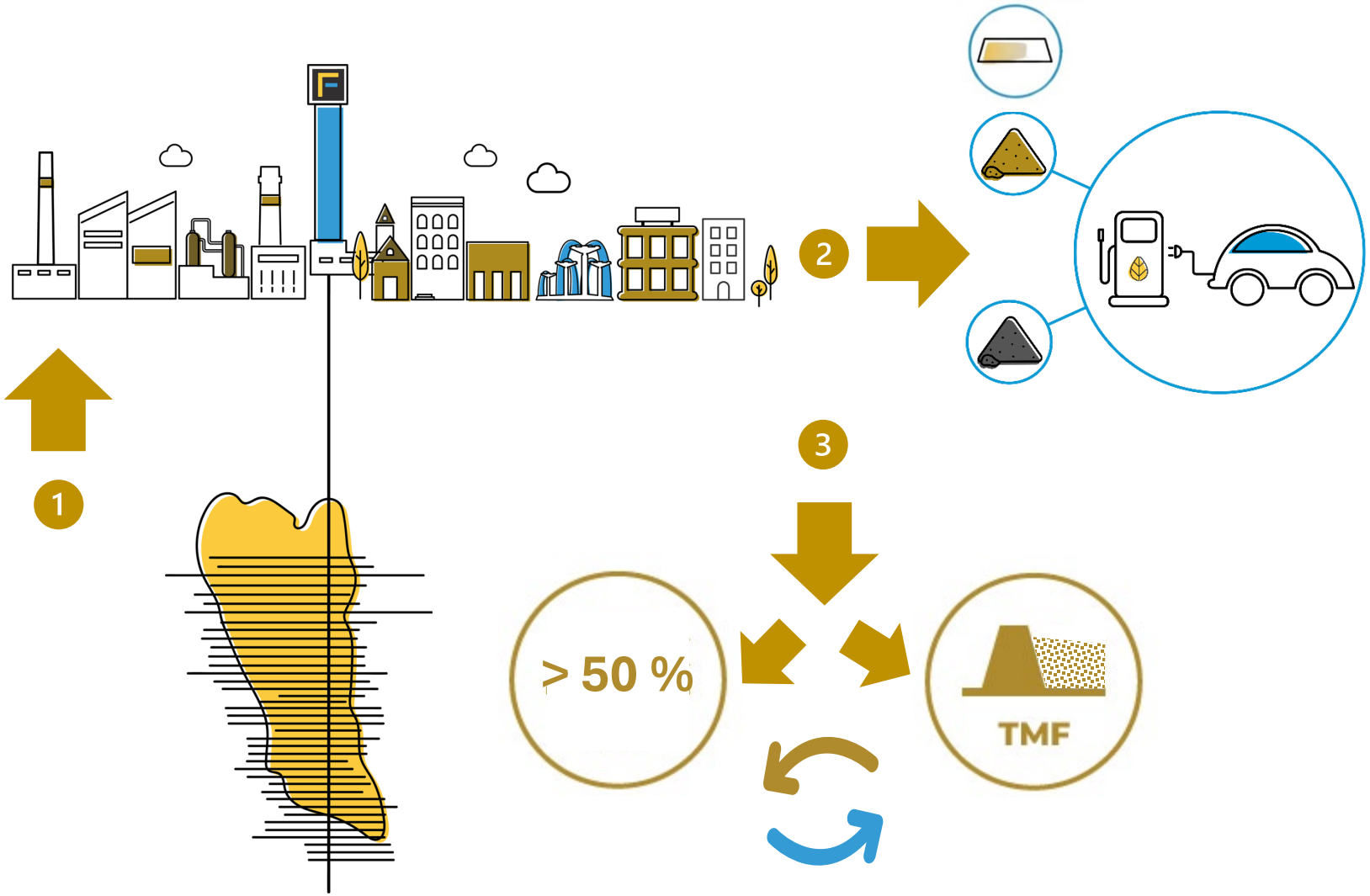
1. Extraction
2. Processing



PRODUCTION ACTIVITIES

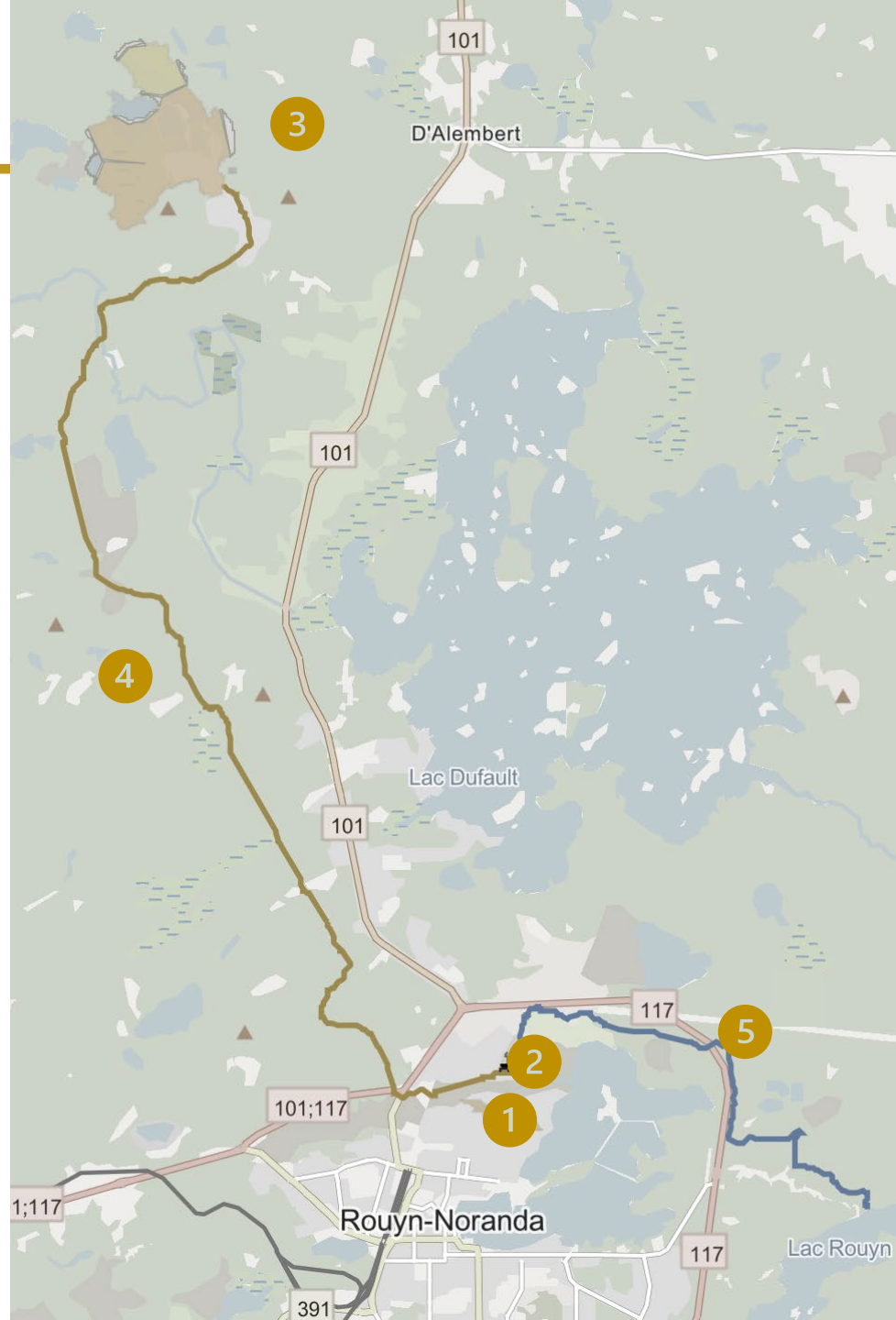
Production

1. Extraction
2. Processing
3. Waste & Water Management



PROJECT COMPONENTS

1. Underground Mine
2. Mining Complex
3. Tailings Management Facility
4. Tailings and Reclaimed Water Pipe Network
5. Freshwater Pipe

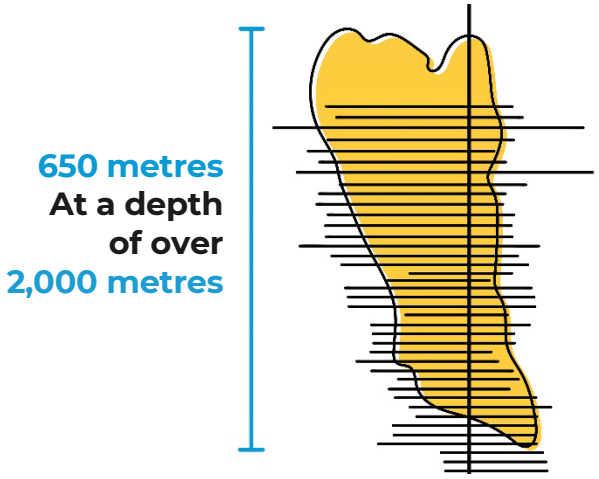


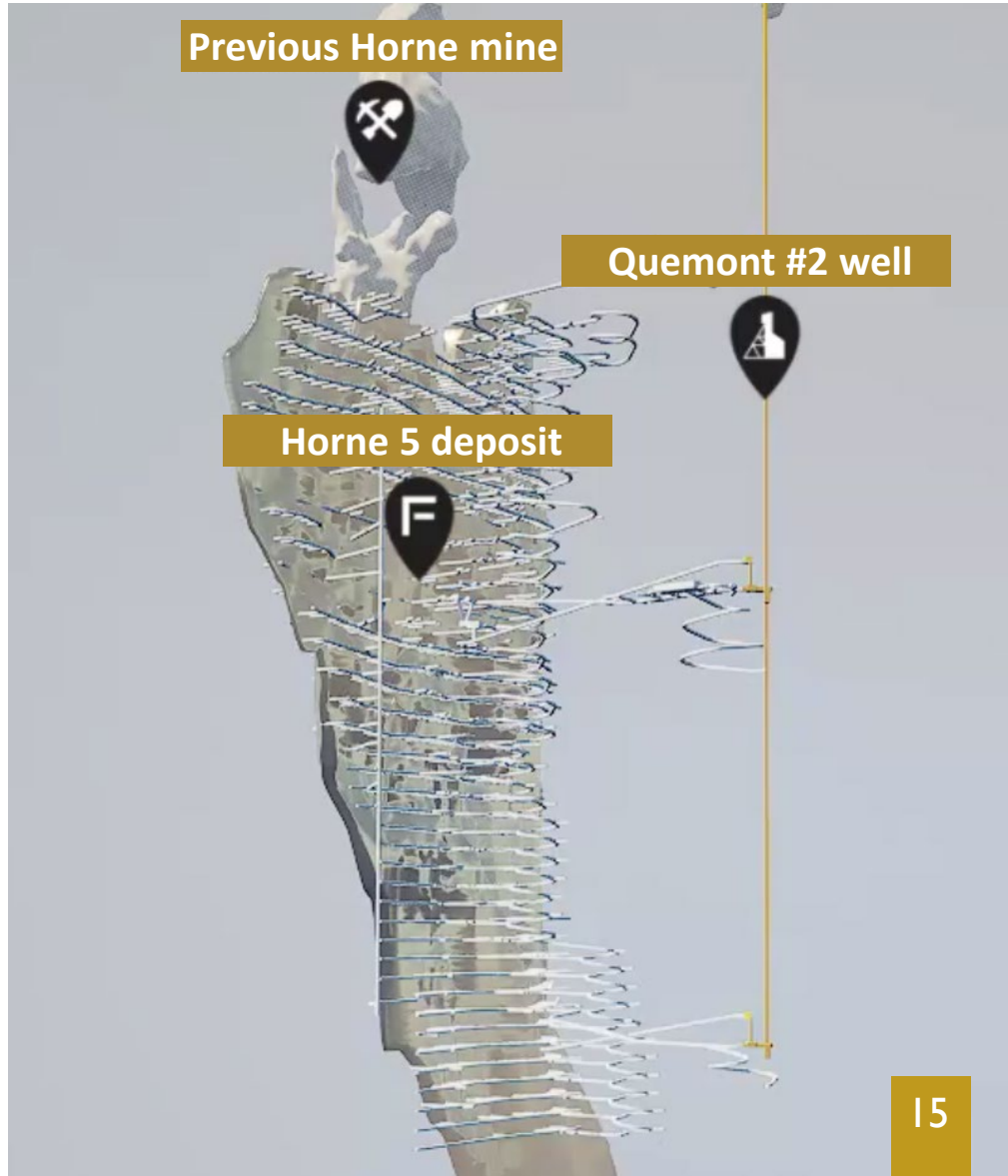
UNDERGROUND MINE

Extraction

- Under the old Horne mine
- Daily production: 15,500 t/d
- Teleoperation, automation and AI
- Electric equipment

Access via the old Quemont mine shaft





MINING COMPLEX

- Former Quemont Mine: ***impacted site***
- Compact layout: ***small footprint***
- **> 50% of tailings underground**
- ***The site will be reclaimed***

Processing

Located in Noranda-Nord Industrial Park

TAILINGS MANAGEMENT FACILITY (TMF)

- 11 sites evaluated
- Favorable topography

  Lesser dykes, no water against
- Former Norbec Mine site:

  Impacted site

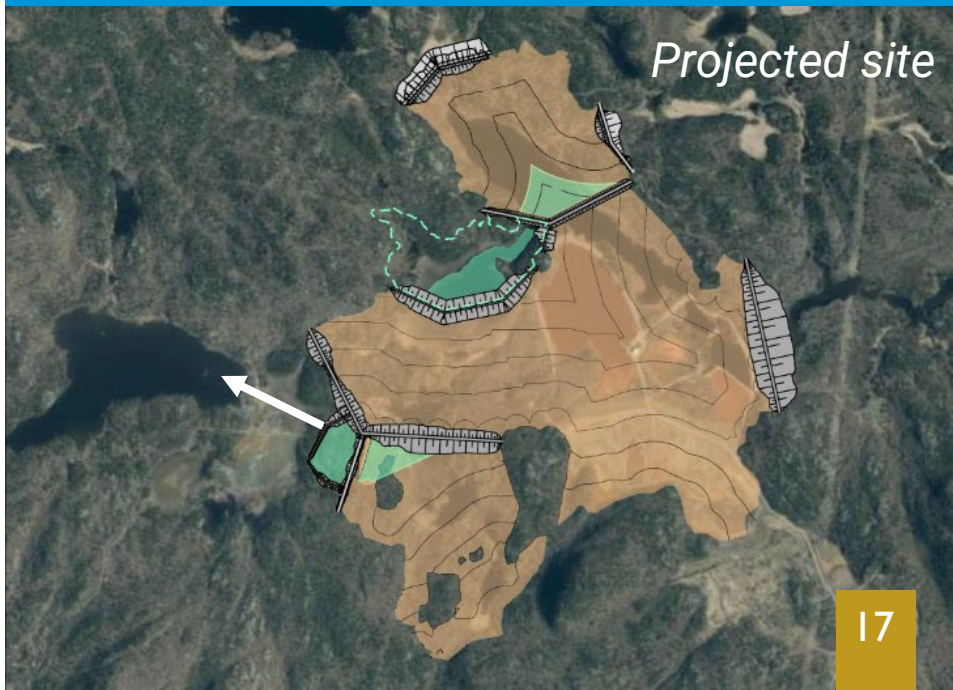
  No reclamation plan

- Water treatment plant:

  Water quality enhancement, westward effluent
- Reclamation

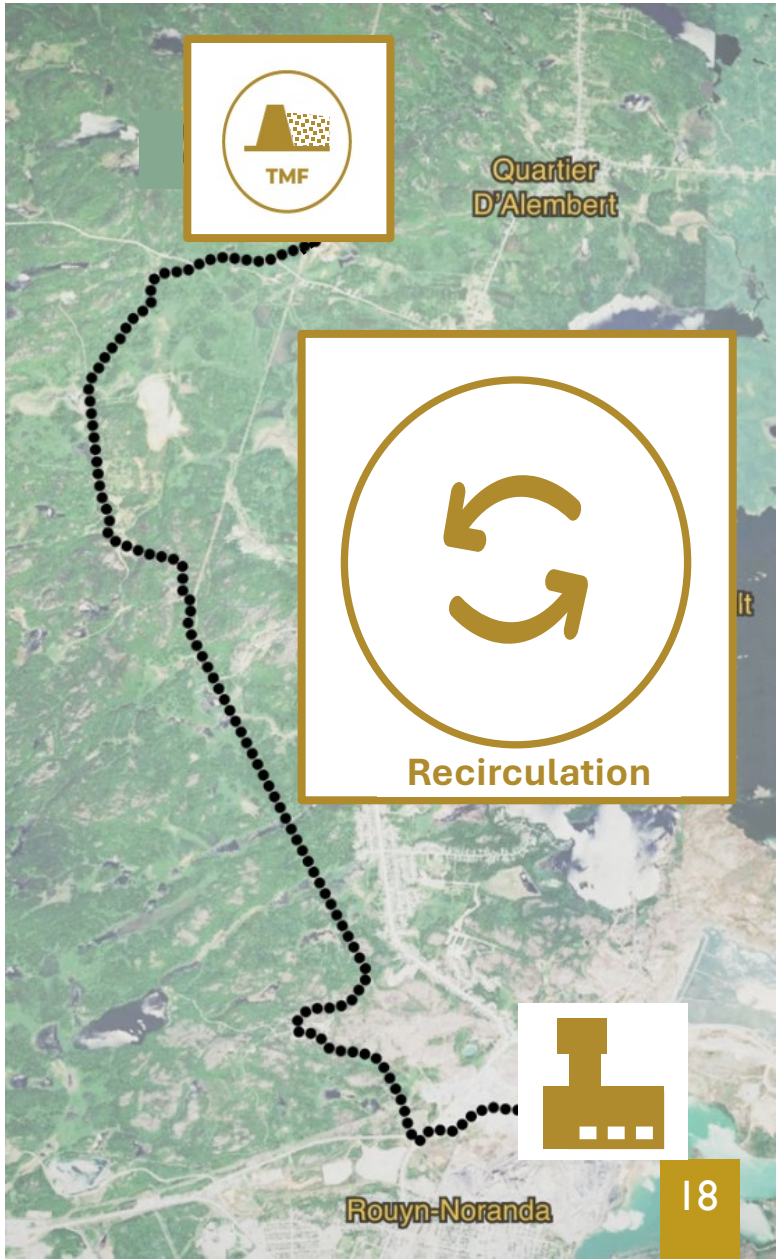
  Biodiversity enhancement, future usages

Former Norbec Mine site



TAILINGS AND RECLAIMED WATER PIPES

- Along existing rights-of-way : ***impacted sites***
- Double-walled Pipes : ***water and soil protection***
- Covered : ***wildlife protection as proposed by FN – ensures mobility – improves connectivity***



FRESHWATER PIPE

- Freshwater intake:

  Only when required

- Options considered:

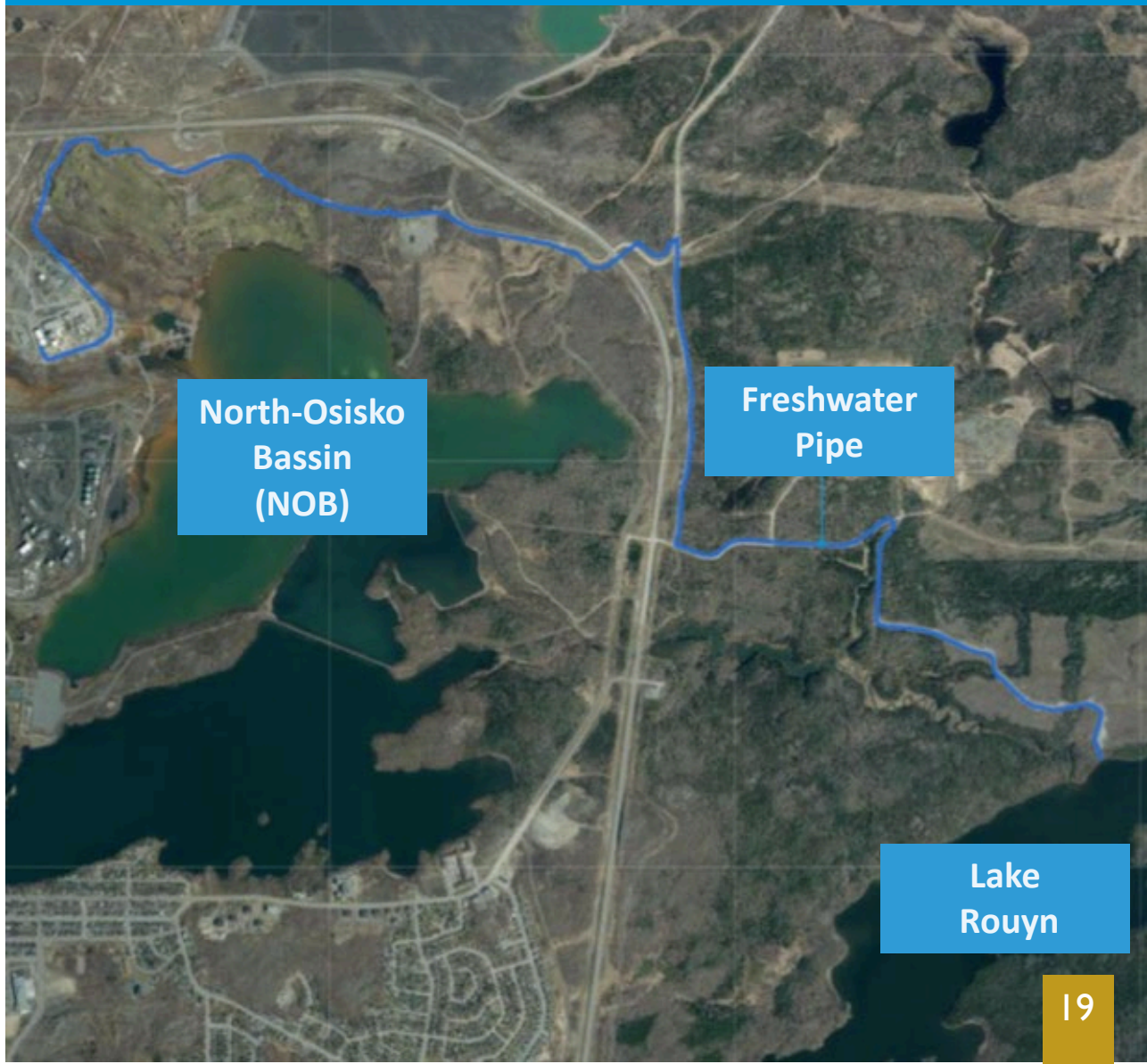
  Lake Rouyn

  North-Osisko Bassin (NOB)

- Treated water discharge:

  Lake Waite - same watershed

Water recovery and reuse rate > 95%



IMPACTS, MEASURES AND COMMIMENTS

AVOID – REDUCE – COMPENSATE

Components		Residual impact		
		Construction	Operation	Closure
Physical	• Surface water	••	••	++
	• Groundwater	•	••	••
	• Air quality	•	••	++
	• Noise	••	••	
	• Vibrations	•	••	
Biological	• Vegetation	••		
	• Wetlands			
	• Wildlife			
	• Herpetofauna			++
	• Birds			++
	• Bats		•••	++
Social	• Local and regional economy		++	•••
	Road infrastructure, circulation and security	•••	••	++
	• Buildings and service infrastructures	••	••	None
	• Built environment	++	•••	None
	• Resort, leisure and tourism, hunting, fishing and trapping	••	None	••
	• Quality of life (sound climate, vibration climate, …)	••••	•••	••
	• Traditional occupation and use of land by First Nations people	••	••	++
	• Landscape	None	••	++
	• Heritage and archaeology	••	None	None

Legend:
••• Medium
•••• Strong
++ Positive
• Very low
•• Low

WATER PROTECTION

1. Protect natural waters
2. Maximize water reuse*:*

   Less freshwater needs

3. Water treatment

   Water quality enhancement (more stringent standards)

4. Robust design & monitoring
5. Reclamation of contaminated sites

WATER REUSE RATE > 95%

Potable water - Surface water - Groundwater

TAILINGS MANAGEMENT FACILITY (TMF)

1. Impacted sites

   No reclamation plan,
   no financial guarantees

2. Favorable topography

   Less dykes
   No water against

3. Groundwater protection

   No migration

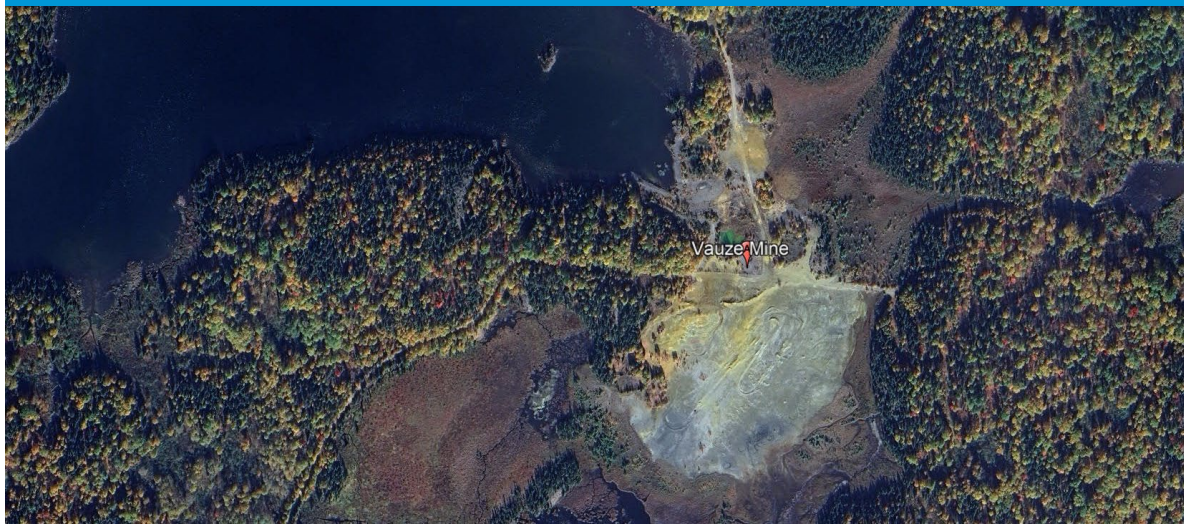
4. Water treatment

   Water quality enhancement
   Effluent redirected westward

5. Design for closure

OLD NORBEC MINE SITE (1964-1978 ; 1995)

ABANDONED VAUZE MINE SITE (1961-65)



RECLAMATION AND CLOSURE

Reclamation

1. Reclamation plan

Financial guarantee

Revised every 5 years

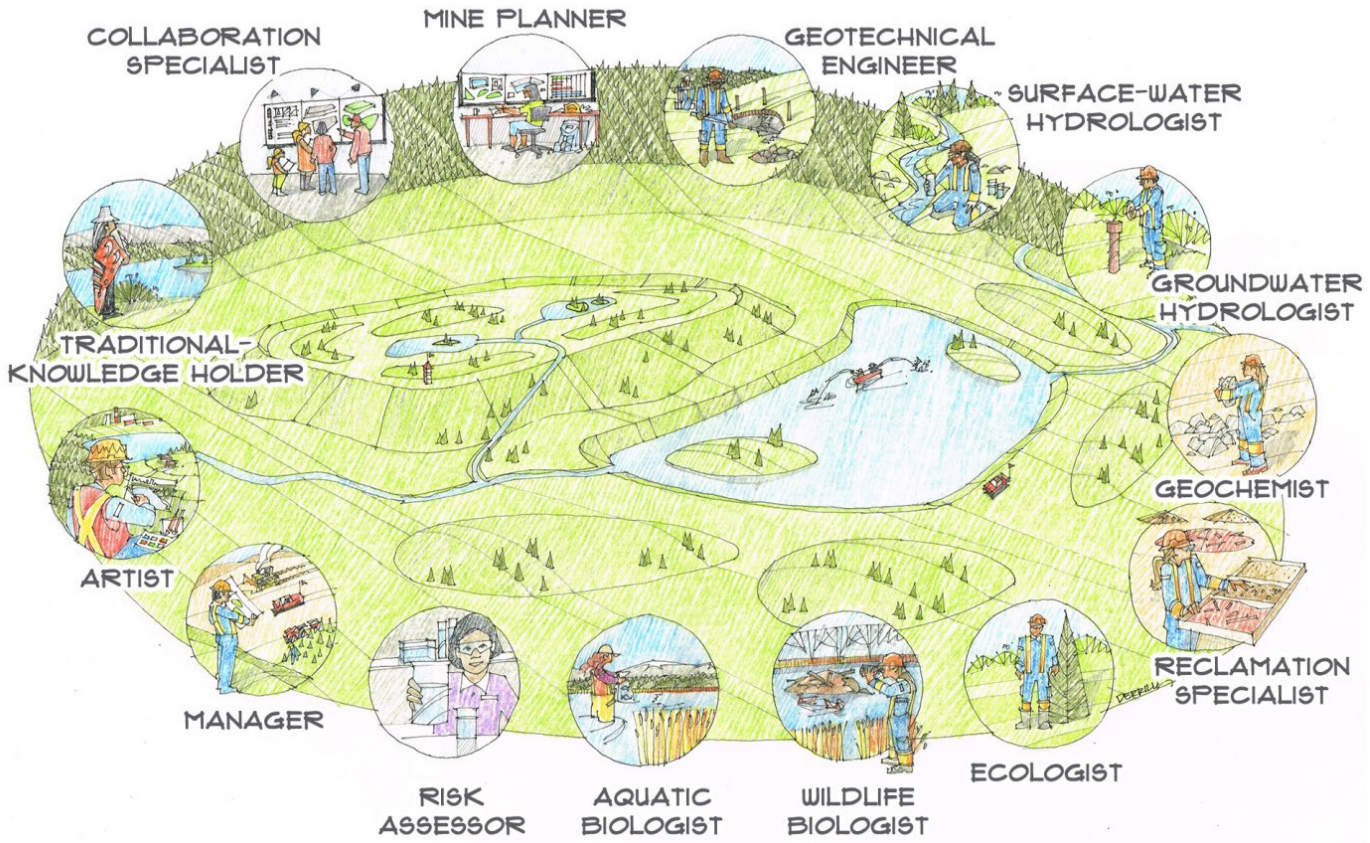
Monitoring > 10 years

2. Vision

No human intervention needed

Biodiversity enhancement

Future usages to be defined with potential users



SOURCE : Mining with the end in mind, Position Paper, Landform Design Institute, March 2021

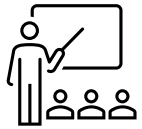
Falco Horne 5 guarantees, finances and reduces the impact of reclaiming already impacted sites

A CROSS-CUTTING OBJECTIVE

Reduce the additional pressures generated by the project

8 key concerns shared by the community of Rouyn-Noranda

1. Recruitment, integration, and retention in a context of labor shortage



2. Adequate training offer

3. Availability and cost of housing

4. Integration of newcomers

5. Access to community services (daycare, schools, healthcare, etc.)

6. Maintaining quality of life

7. Positive socioeconomic impacts

8. Social transition towards closure

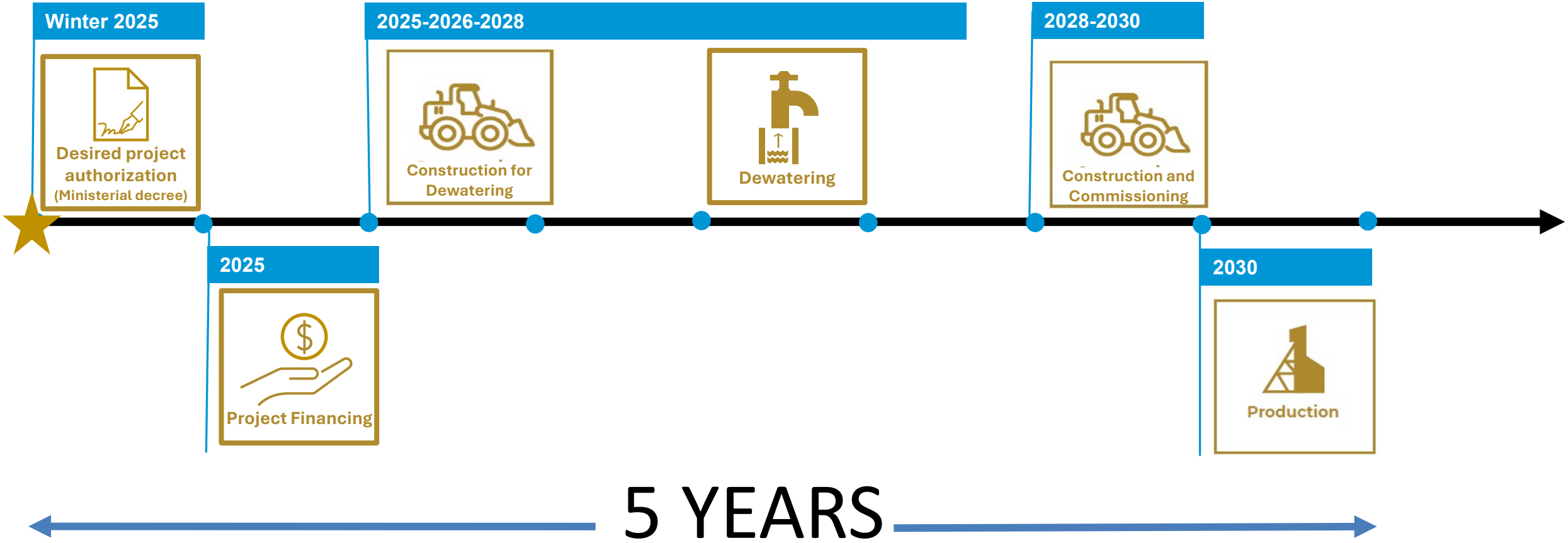
WINNEWAY COMMUNITY

An opportunity to discuss

- Maintain an open dialogue and keep our discussions ongoing
- Allow for adequate time: 5-year timeline
- Establish a shared understanding of the project and ensure alignment with our mutual expectations

FORECASTED SCHEDULE BEFORE PRODUCTION

More than one billion dollars in investment



5 YEARS